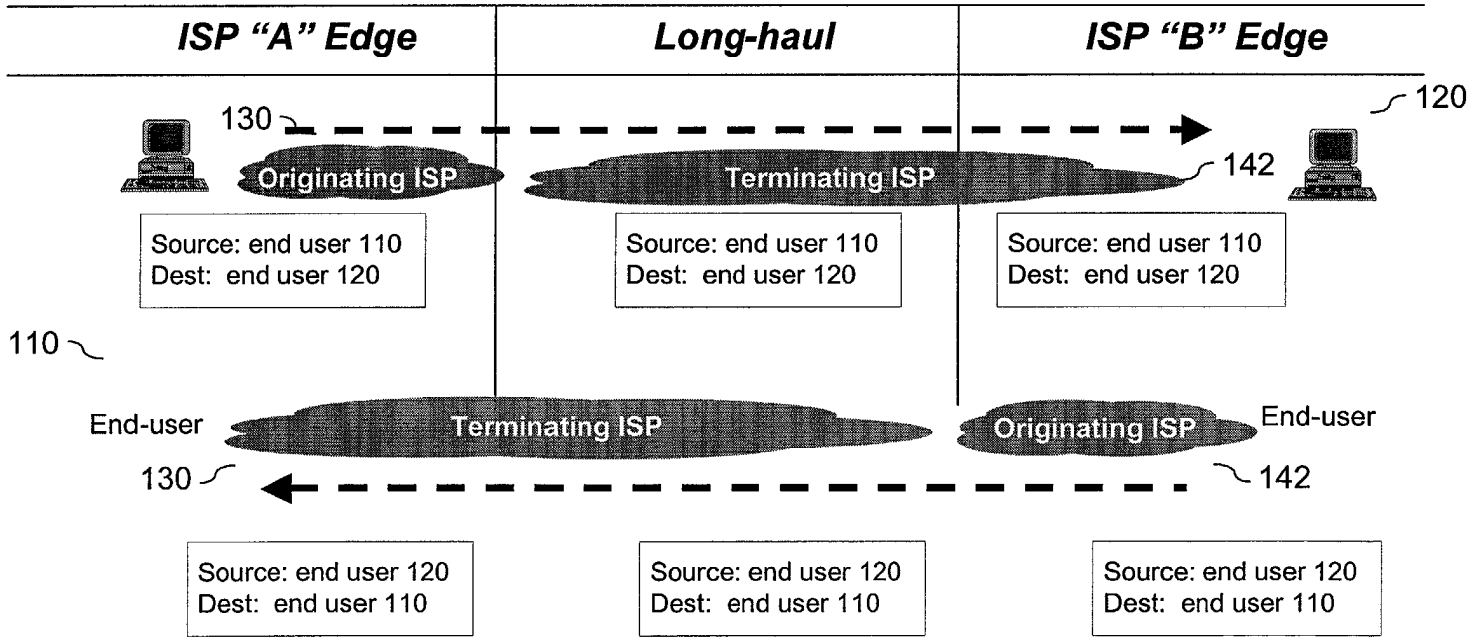

Fig. 1
Internet Peering Model

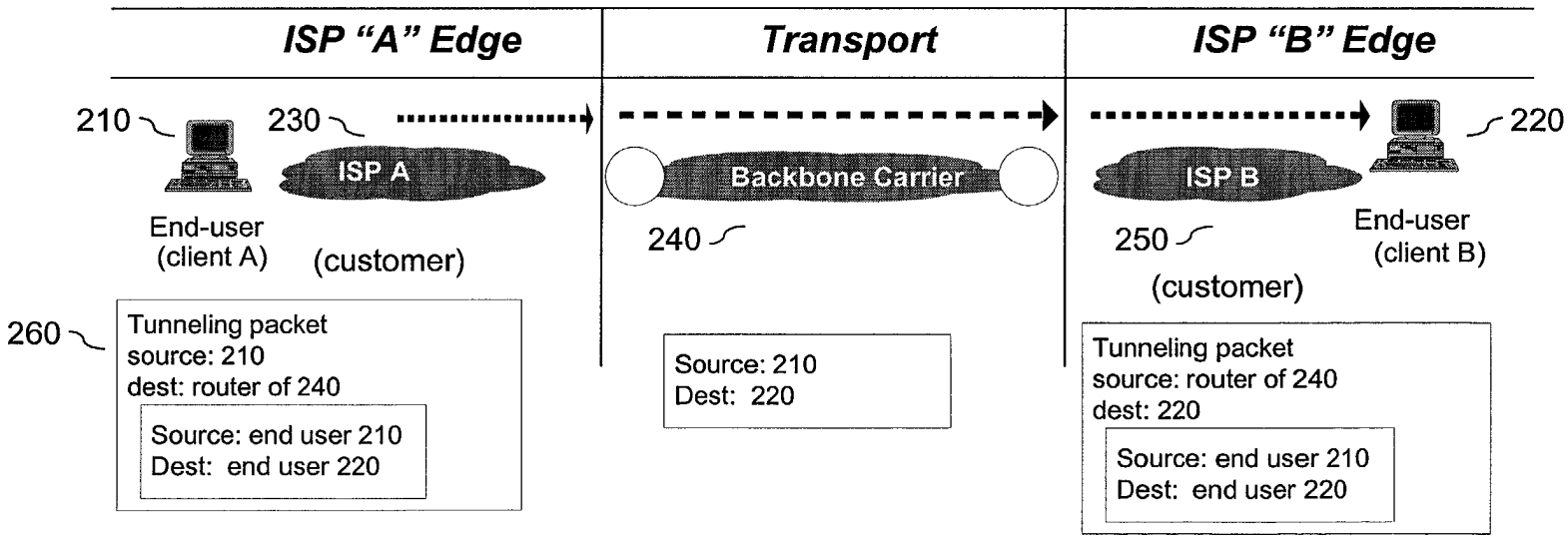
ISP "A" Edge
Transport
ISP "B" Edge
210
230
220
ISP A
Backbone Carrier
ISP B
End-user
(client A)
(customer)
240
250
End-user
(client B)
(customer)
260
Tunneling packet
source: 210
dest: router of 240
Source: end user 210
Dest: end user 220
Source: 210
Dest: 220
Tunneling packet
source: router of 240
dest: 220
Source: end user 210
Dest: end user 220

Fig. 2

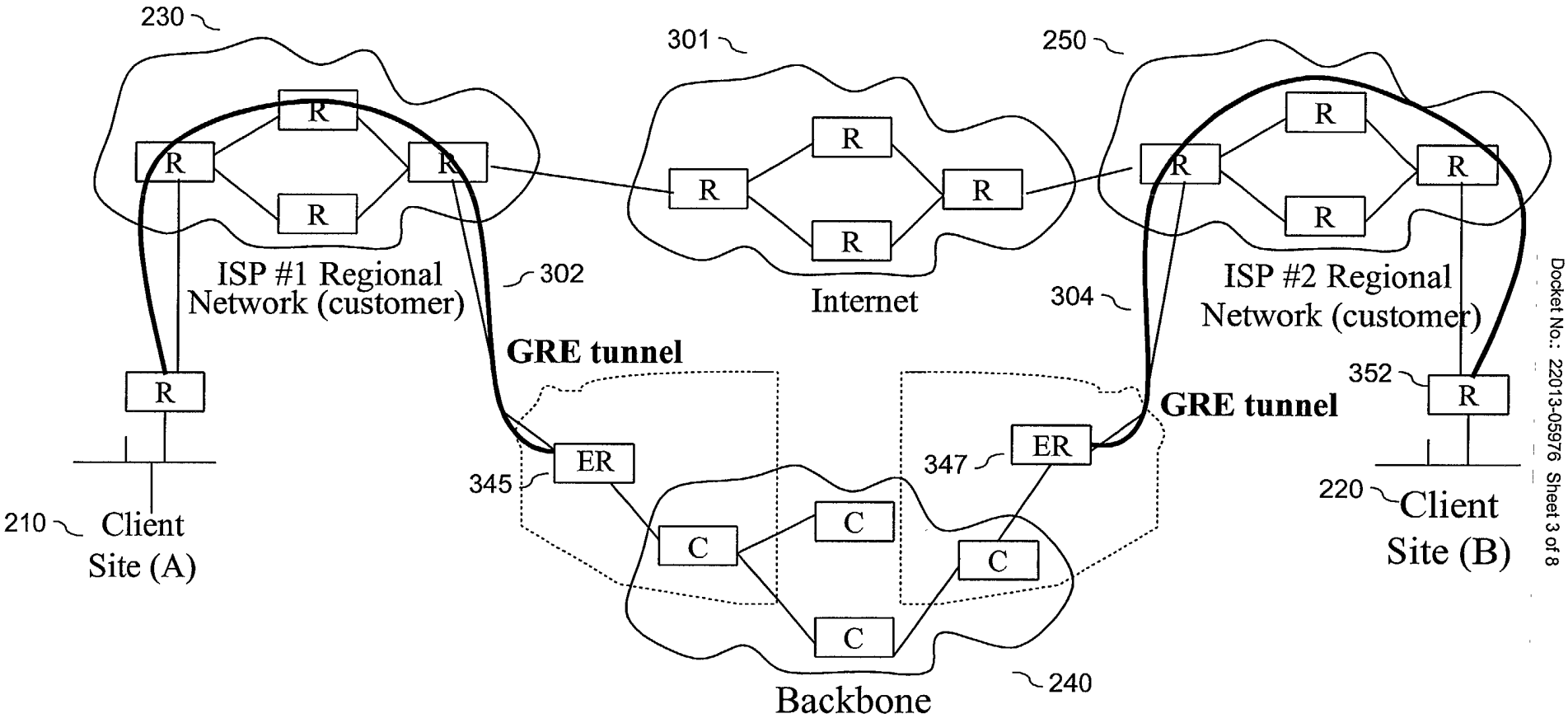
230
301
250
R
ISP #1 Regional Network (customer)
302
Internet
304
ISP #2 Regional Network (customer)
GRE tunnel
GRE tunnel
352
ER
345
347
ER
210
Client Site (A)
C
C
C
C
220
Client Site (B)
Backbone
240

Fig. 3(a)

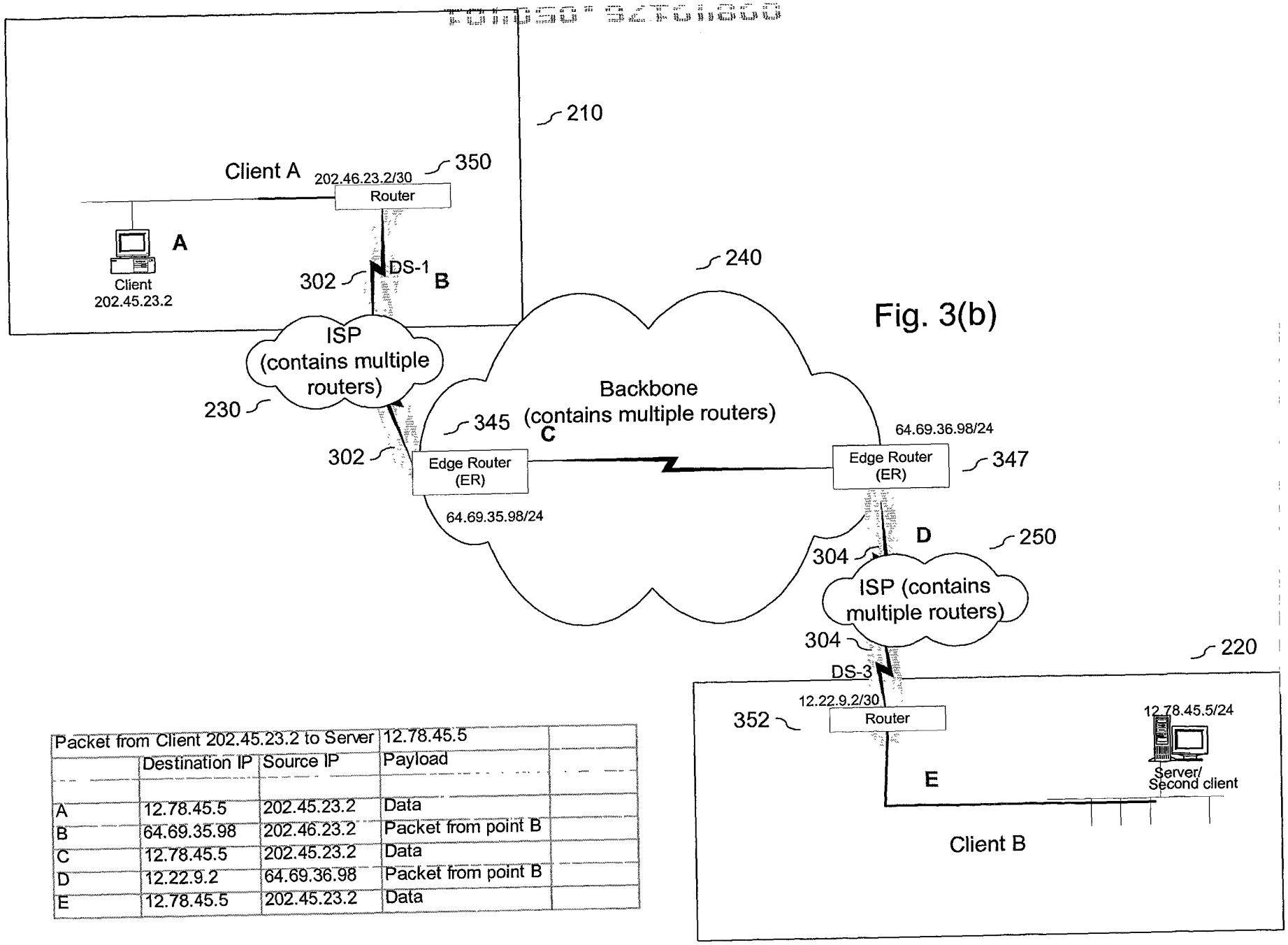

Fig. 3(b)

Packet from Client 202.45.23.2 to Server	12.78.45.5			
	Destination IP	Source IP	Payload	
A	12.78.45.5	202.45.23.2	Data	
B	64.69.35.98	202.46.23.2	Packet from point B	
C	12.78.45.5	202.45.23.2	Data	
D	12.22.9.2	64.69.36.98	Packet from point B	
E	12.78.45.5	202.45.23.2	Data	

Fig. 3(c)

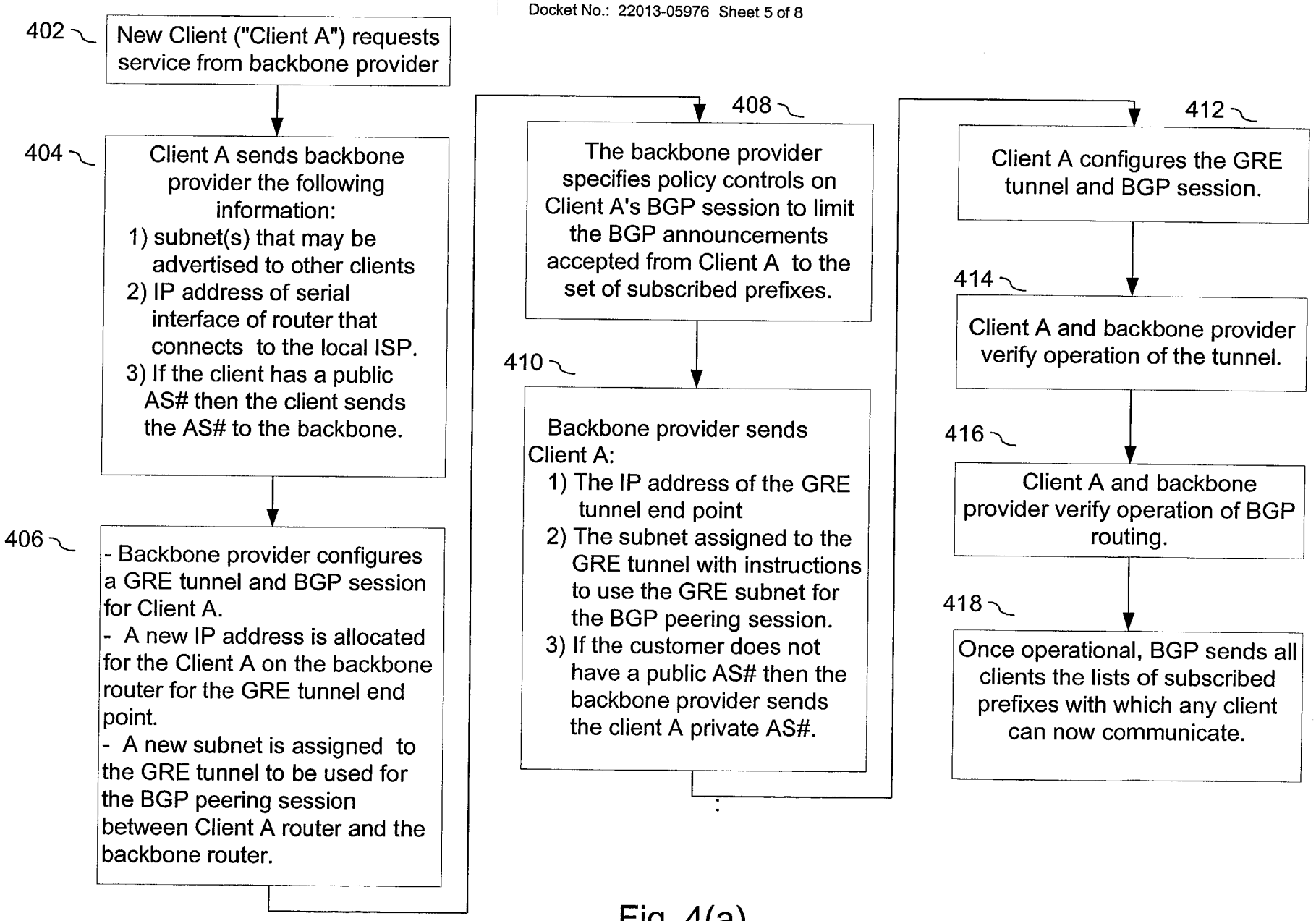

Fig. 4(a)
Provisioning

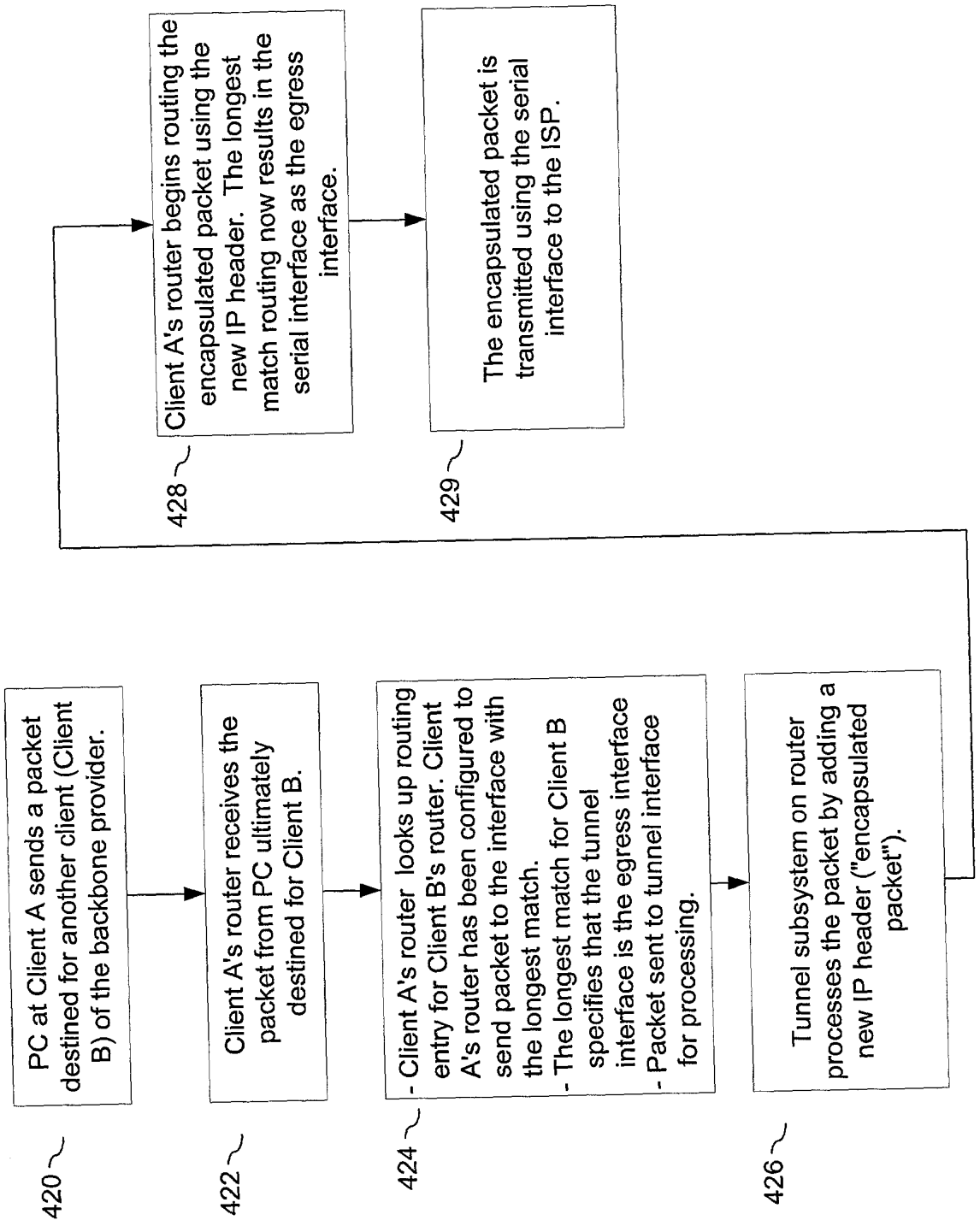

Fig. 4(b)
Routing on First Client Router

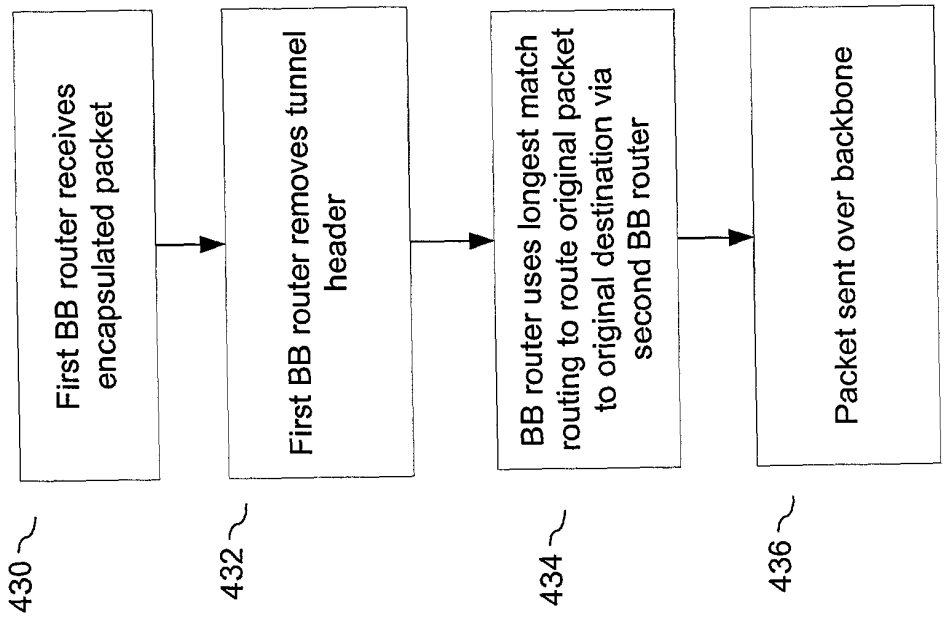

Fig. 4(c)
Routing on first backbone edge router

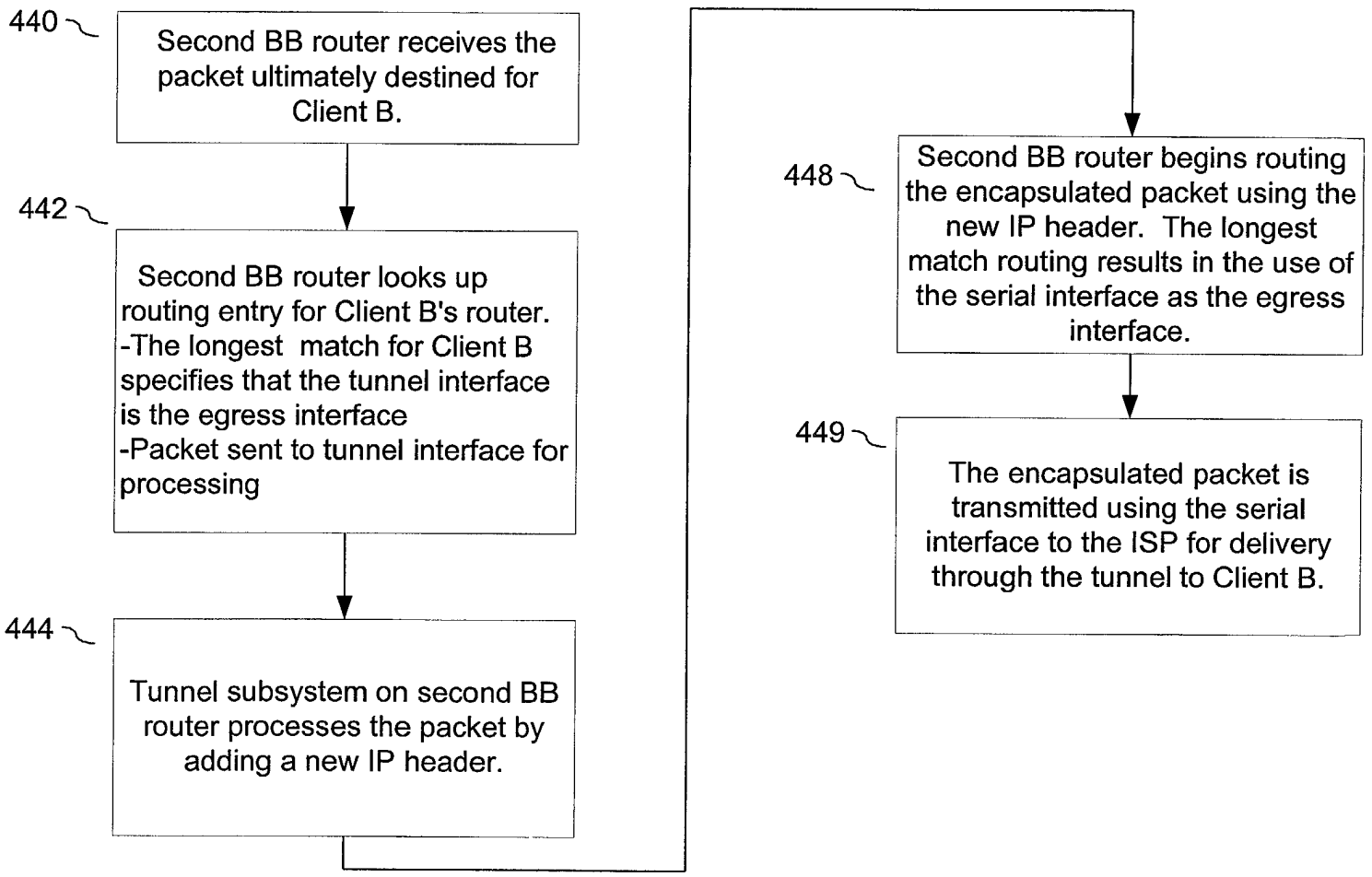

Fig. 4(d)
Routing on Second Client Router